

ABSTRACT OF THE DISCLOSURE

In a conventional abnormality detecting apparatus, it is impossible to judge a breakdown before the breakdown actually takes place. An abnormality detecting apparatus for an automatic speed changer includes a speed change controlling unit for controlling the automatic speed changer; a learn controlling device for optimizing an rpm change at the time of speed change control by the speed change controlling device; and an abnormality detection controlling device for judging whether a learned value of the learn controlling device falls within a range between an upper limit and a lower limit and if the learned value falls out of the range, storing the condition as abnormal. Thus, it is possible to detect the abnormal condition of constituents such as a clutch in the automatic speed changer before the actual breakdown.